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BRUHATH BANGALORE MAHANAGARA PALIKE

DASARHALLI ZONE

DIVISION:- DASARAHALLI DIVISION

SUB DIVISION:- SHETTYHALLI SUB DIVISION

NAME OF WORK:- Construction of Shreeshakti Bhavan at Abbigere in ward No 12, Shettyhalli sub division

Estimated Cost:- 100.00 Lakhs

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Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Construction of Strishakti Bhavan at Abbigere in ward No 12, Shettyhalli sub division

Est .Cost Rs. 100.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 (PWD SR P 3 It 2.1)								
		cum	1	40.00	16.00	0.60	384.00		
							384.00	**169.56**	**65,111.04**
	Basic Rate	**157.00**							
	Area Weightage 8%	12.56							
		169.56							
2	**Earth work excavation for foundation of building** water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.**PWD SR 2016-17 P 5 It 2.4**								
	Column footing	Cum	14	2.10	2.00	1.65	97.02		
	Building all round		1	61.20	1.20	1.50	110.16		
	Toiltes		1	15.20	0.90	1.00	13.68		
			3	1.30	0.90	1.00	3.51		
	Sump tank		1	4.00	3.00	2.00	24.00		
	Sanitary line		1	50.00	0.90	1.50	67.50		
	Water supply line		1	75.00	0.75	1.00	56.25		
							372.12		
	Deduct For Column		14	1.50	1.50	0.75	23.63		
					Net Qty		**348.50**	**305.64**	**106514.01**
	Basic Rate	**283.00**							
	Area Weightage 8%	22.64							
		305.64							
3	KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	Column footing	Cum	14	2.00	1.80	0.30	15.12		
	Building all round		1	61.20	1.20	0.30	22.03		
	sump tank		1	4.00	3.00	0.30	3.60		
							40.75	**2,283.12**	**93,041.71**
	Basic Rate	**2,114.00**							
	Area Weightage 8%	169.12							
		2,283.12							

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4	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **It No 4.2 PWD SR 2016-17**								
	Column footing	**Cum**	14	2.10	2.00	0.15	8.82		
	Sump tank		1	4.00	3.00	0.15	1.80		
	for Building all round		1	61.20	1.05	0.15	9.64		
	Toilet		1	15.20	0.90	0.15	2.05		
			3	1.30	0.90	0.15	0.53		
			2	22.00	1.00	0.15	6.60		
			2	9.00	1.00	0.15	2.70		
	for floor bed		1	19.60	8.60	0.20	33.71		
							65.85		
	Deduct For Column		14	2.00	0.90	0.15	3.78		
					Net Qty		**62.07**	**5,449.68**	**338258.91**
	Basic Rate	5,046.00							
	Area Weightage 8%	403.68							
		5,449.68							
5	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(P No. 23, Item No. 5.6)**								
	1st step	Cum	1	61.20	0.90	0.45	24.79		
	2nd step		1	61.20	0.75	0.45	20.66		
	Toilet		1	15.20	0.75	0.45	5.13		
			1	15.20	0.60	0.45	4.10		
			3	1.25	0.75	0.45	1.27		
			3	1.40	0.60	0.45	1.13		
							57.07		
	Deduct For Column		14	0.23	0.45	0.90	1.30		
					Net Qty		**55.77**	**4,521.96**	**252192.08**
	Basic Rate	4,187.00							
	Area Weightage 8%	334.96							
		4,521.96							
6	Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 23, Item No. 5.9)**								
		Cum	1	61.20	0.50	0.45	13.77		
			1	16.80	0.50	0.45	3.78		
			3	1.50	0.50	0.45	1.01		
							18.56		
	Deduct For Column		14	0.23	0.45	0.45	0.65		
					Net Qty		**17.91**	**5,405.40**	**96813.15**
	Basic Rate	5,005.00							
	Area Weightage 8%	400.40							
		5,405.40							

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7	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **(Page NO. 113, Item No. 15.3)**								
	Long Wall	Sqm	2	22.10		0.45	19.89		
	Short Wall		2	9.10		0.45	8.19		
	Toilet		1	17.00		0.45	7.65		
					Net Qty		**35.73**	**105.84**	**3781.66**
	Basic Rate	98.00							
	Area Weightage 8%	7.84							
		105.84							
8	Providing and laying in position **plain cement concrete of nominal mix 1:2:4** using 20mm and down size graded granite metal machine mixed concrete liad in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery, curing complete as per specifications **(Page No. 12, Item No. 4.6)**								
	Building all round	Cum	2	22.00	1.00	0.15	6.60		
			2	9.00	1.00	0.15	2.70		
	Toilet block		1	15.20	0.50	0.15	2.28		
			3	1.50	0.50	0.15	0.68		
							9.30	**5,876.28**	**54649.40**
	Basic Rate	5,441.00							
	Area Weightage 8%	435.28							
		5,876.28							
9	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No.6, Item No. 2.10)**								
		Cum		Qty as per It 1			**348.50**	137.16	**47,799.57**
	Basic Rate	127.00							
	Area Weightage 8%	10.16							
		137.16							
10	KSRB 4.2.8: **Providing and laying in position reinforced cement concrete of design mix M20 with** OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for **all works in ground floor level for roof slabs, staircase, lintles, and beams** retaining walls, return walls, walls (any thickness) including attached plasters, **columns,** pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(P. No. 14/ I.No. 4.13 of CSR 2016-17)**								
a	**For Column footing**	Cum	14	2.00	2.10	0.45	26.46		
			14	1.20	0.90	0.45	6.80		
b	**For Column up to Plinth**		14	0.23	0.45	1.50	2.17		
	columns		14	0.23	0.45	3.00	4.35		
	columns FF		14	0.23	0.45	3.00	4.35		
c	**Plinth beam**		1	61.20	0.30	0.45	8.26		
			5	9.00	0.30	0.45	6.08		

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	For Sump tank wall		2	4.00	0.15	3.00	3.60		
			2	2.50	0.15	3.00	2.25		
	mp roof		1	4.00	3.00	0.15	1.80		
	RCC lintle GF & FF		4	22.00	0.20	0.20	3.52		
			4	9.00	0.20	0.20	1.44		
	Toilet		1	15.20	0.20	0.20	0.61		
	Beams for GF & FF		4	22.00	0.30	0.40	10.56		
			14	9.00	0.30	0.45	17.01		
	RCC roof GF & FF		2	23.00	10.20	0.15	70.38		
	Toilet		1	6.50	3.00	0.15	2.93		
	Stair landing GF		1	2.00	1.20	0.15	0.36		
	Waste slab		2	3.00	1.20	0.15	1.08		
	steps		20	1.20	0.30	0.15	1.08		
							175.082	6,650.64	1,164,404.03
	Basic Rate	6,158.00							
	Area Weightage 8%	492.64							
		6,650.64							
11	KSRB 4.2.10 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness**, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (**P 14 lt 4.19 PWD SR 2016-17)**									
	Chejja GF & FF	**Sqm**	12	2.00	0.60		14.40		
							14.400	492.48	7,091.71
	Basic Rate	456.00							
	Area Weightage 8%	36.48							
		492.48							
12	**Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C.** work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour HOM of machinery complete as per specifications (Page NO. 17, Itm. NO. 4.46) Fe 500								
		Tonne					21885.19		
							21.885	76,329.00	1,670,474.48
	Basic Rate	70,675.00							
	Area Weightage 8%	5,654.00							
		76,329.00							
13	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for **columns**, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No.16, Item No. 4.32)								
	Column Footings	**Sqm**	14	7.60		0.50	53.20		
			14	3.50		0.75	36.75		
	For Column up to Plinth		14	1.35		1.50	28.35		
	Column GF		14	1.35		3.00	56.70		
	FF		14	1.35		3.00	56.70		

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							231.70	395.28	**91,586.38**
	Basic Rate	366.00							
	Area Weightage 8%	29.28							
		395.28							
14	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification (**Page No. 16, item No. 4.34)**								
a	**Plinth beam**	**Sqm**	2x2	22.00		0.40	35.20		
			2x2	9.00		0.40	14.40		
b	**Beams GF**		2x2	22.00		1.13	99.44		
			2x7	9.00		1.13	142.38		
	FF		2x2	22.00		1.13	99.44		
			7x2	9.00		1.13	142.38		
c	**RCC lintle GF Long wall**		2x2	22.00		0.25	22.00		
	Short wall GF		2x2	9.00		0.25	9.00		
	FF		2x2	22.00		0.25	22.00		
	FF		2x2	9.00		0.25	9.00		
	Toilet		2	15.20		0.25	7.60		
							602.84	276.48	**166,673.20**
	Basic Rate	256.00							
	Area Weightage 8%	20.48							
		276.48							
15	**Providing and removing centering shuttering** strutting propping etc., for **chejjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications **(Page No. 16, Item No.4.37)**								
	Chejja GF	**Sqm**	6	2.00	0.60		7.20		
	Chejja FF		6	2.00	0.60		7.20		
							14.40	291.60	**4,199.04**
	Basic Rate	270.00							
	Area Weightage 8%	21.60							
		291.60							
16	**Providing and removing centering, shuttering**, strutting propping etc., and removal of form work for **stairs** (excluding landing) except spiral staircase including cost of all materials labour complete as per specification **(Page No. 16, Item No.4.38)**								
	Stair case	**Sqm**	4	2.70	1.20		12.96		
			2	2.00	1.20		4.80		
			36	1.20	0.15		6.48		
							24.24	513.00	**12,435.12**
	Basic Rate	475.00							
	Area Weightage 8%	38.00							
		513.00							
17	**Providing and removing centering, shuttering**, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification **(Page No. 15, Item No. 4.29.2)**								
	For RCC roof	**Sqm**	2	22.00	10.00		440.00		

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	Toilet		1	6.50	3.00		19.50		
	Sump tank		1	3.50	2.50		8.75		
							468.25	594.00	**278,140.50**
	Basic Rate	550.00							
	Area Weightage 8%	44.00							
		594.00							
18	Providing and constructing **pre cast concrete solid blocks** with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure **(Page No.25,Item No.5.27)**								
a	Ground floor	Sqm	2	22.00		2.80	123.20		
			2	9.00		2.80	50.40		
	FF		2	22.00		2.80	123.20		
			4	9.00		2.80	100.80		
c	Parapet wall		2	22.00		1.00	44.00		
			2	10.20		1.00	20.40		
	For Sump tank		1	13.00		2.50	32.50		
	Toilet		1	15.20		2.40	36.48		
	cross walls		3	1.80		2.40	12.96		
						Total:-	**543.94**		
	Deduction for openings								
	Door D (GF & FF)		4	1.50		2.10	12.60		
	Window W (GF & FF)		24	1.80		1.35	58.32		
	D1		4	0.75		2.10	6.30		
						Total:-	**77.22**		
					Net Qty		**466.72**	1,011.96	**472,301.97**
	Basic Rate	937.00							
	Area Weightage 8%	74.96							
		1,011.96							
19	**Providing Honne wood frames of doors, windows**, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications **(Page No.51, Item No. 9.11)**								
	Door D (GF & FF)	**Cum**	4	7.60	0.125	0.100	0.38		
	Toilet door		4	6.00	0.125	0.075	0.23		
							0.61	111,083.40	**67,205.46**
	Basic Rate	102,855.00							
	Area Weightage 8%	8,228.40							
		111,083.40							
20	**Providing and fixing in position fully panelled Honne wood shutters for doors**, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures)(**Page No.51, Item No. 9.15)**								
	Door D (GF & FF)	**Sqm**	4	1.50		2.10	12.60		
			4	0.75		2.10	6.30		
							18.90	5,014.44	**94,772.92**
	Basic Rate	4,643.00							

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	Area Weightage 8%	371.44							
		5,014.44							
	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications **(Page 32, Item No. 7.9)**								
	Window W (GF & FF)	**Sqm**	24	1.80		1.35	58.32		
							58.32		
	Consider 21 kg per one sqm			21	x	58.32	**1224.72**	84.24	**103,170.41**
	Basic Rate	78.00							
	Area Weightage 8%	6.24							
		84.24							
22	**Providing and fixing in position anodized alluminium windows and ventilators** as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for removal of any rust and coated with greesy or non adhesion of motor and other sticky materials (this coating should be cleaned after installation) including cost of all materials , fixtures labour and HOM at machinary complete as per specificaions **(Page No 34. item No. 7.12.1)**								
		Sqm							
	Window W (GF & FF)		24	1.80	1.35		58.32		
			4	0.90	0.60		2.16		
							60.48	3,842.64	**232,402.87**
	Basic Rate	3,558.00							
	Area Weightage 8%	284.64							
		3,842.64							
23	**Providing 18mm thick cement plaster in single coat with cement mortar 1:3**, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications **(page No.113, Item No.15.15)**								
	In side plastering	**Sqm**							
	GF		2	21.60		3.30	142.56		
			2	8.60		3.30	56.76		
	FF		2	21.60		3.30	142.56		
			2	8.60		3.30	56.76		
	For Sump tank		1	12.40		2.40	29.76		
	Toilet		4	6.00		2.40	57.60		
							486.00		
	Deductions Door D	0.5	2	1.50		2.10	3.15		

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	Windows	0.5	24	1.80		1.35	29.16		
							32.31		
							453.69	263.52	**119,556.39**
	Basic Rate	244.00							
	Area Weightage 8%	19.52							
		263.52							
24	**Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling** incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification **(Page No. 114, Item No. 15.21)**								
		Sqm	2	21.60	8.60		371.52		
			1	6.40	3.00		19.20		
							390.72	208.44	**81,441.68**
	Basic Rate	193.00							
	Area Weightage 8%	15.44							
		208.44							
25	**Providing lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing complete as per specifications **(Page No. 115, Item No. 15.33)**								
		Sqm	GF & FF (Qty vide Item no.24 & 25)				844.41		
							844.41	27.00	**22,799.07**
	Basic Rate	25.00							
	Area Weightage 8%	2.00							
		27.00							
26	**Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **(Page No114, Item No.15.18)**								
	OutSide	**Sqm**	2	22.00		7.00	308.00		
			2	9.00		7.00	126.00		
	Parapet inside		2	22.00		1.00	44.00		
			2	9.00		1.00	18.00		
	Toilet		2	5.80		2.40	27.84		
			2	2.20		2.40	10.56		
							534.40		
	Deductions Door D	0.5	4	1.50		2.10	6.30		
	Windows	0.5	24	1.80		1.35	29.16		
							35.46		
							498.94	287.28	**143,335.48**
	Basic Rate	**259.00**							
	add for water proofing	**7.00**							
	Total	**266.00**							
	Area Weightage 8%	21.28							
		287.28							

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27	Providing and laying flooring using **prepolished, water cut/gang saw 19mm thick granite** laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - **using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.107, I.No.14.47.1 of PWD SR 2016-17)**								
a	GF & FF	Sqm	2	21.60	8.60		371.52		
			4	21.60	0.10		8.64		
			4	8.60	0.10		3.44		
							383.60	2,828.52	**1,085,020.27**
	Basic Rate	2,619.00							
	Area Weightage 8%	209.52							
		2,828.52							
28	**Providing and laying integral cement based water proofing treatment** including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications **(page No,66, Item No. 10.2)**								
		Sqm	1	22.00		10.20	224.40		
							224.40	976.32	**219,086.21**
	Basic Rate	**904.00**							
	Area Weightage 8%	72.32							
		976.32							
29	Providing and fixing on wall surface 4.0kg?Sq.cm **H.D.P.E. rain down water pipes 90mm outer dia approved** make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification (Page No. 47, Item No. 8.18)								
		m	10	10.00			100.00		
							100.00	451.56	**45,156.00**
	Basic Rate	426.00							
	Area Weightage 6%	25.56							
		451.56							

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30	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet European type (Pedestal type, P-trap) with black solid plastic seat** and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **(P 77 It 12.5)**								
		Each	4				4		
							4	5,540.40	**22,161.60**
	Basic Rate	5,130.00							
	Area Weightage 8%	410.40							
		5,540.40							
31	Providing and fixing white vitreous china clay flat back **wash basin size 630x450mm with a** single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications **(page No. 81, Item No. 12.24)**								
		Unit	4				4		
							4	3,247.56	**12,990.24**
	Basic Rate	**3,007.00**							
	Area Weightage 8%	240.56							
		3,247.56							
32	Providing and fixing white vitreaus **china clay, flat back, lipped front urinal basin of 430x260x350mm** with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification **(Page No. 78, item No. 12.7)**								
		Unit	4				4.00		
							4.00	3,204.36	**12,817.44**
	Basic Rate	2,967.00							
	Area Weightage 8%	237.36							
		3,204.36							
33	**Providing and fixing colour glazed tiles of size 300mmx450mm for walls** with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification.**(P 110 It 14.64)**								
	For Wall cladding	**Sqm**							
	GF		4	6.00		2.10	50.40		
	For flooring								
	GF		4	1.80		1.20	8.64		
							59.04	1,208.52	**71,351.02**
	Basic Rate	**1,119.00**							
	Area Weightage 8%	89.52							
		1,208.52							
34	Providing and fixing 7.5cms to 15cms dia NP grating 100mm dia (page no 88 , Item No. 12.111)								
		Each	12				12.00		
							12.00	172.80	**2,073.60**

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	Basic Rate	160.00							
	Area Weightage 8%	12.80							
		172.80							
35	Providing and fixing C.I. **Nahani trap** of approved make conforming to ISI specificatins and constructin of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture and conveyance of materials to work spot) 10cms to 7.5cms **(Page no. 88, Item No. 12.113.1)**								
		Each	8				8.00		
							8.00	270.00	**2,160.00**
	Basic Rate	250.00							
	Area Weightage 8%	20.00							
		270.00							
36	Providing and fixing **chorinated poly venyl chloride (CPVC) pipes** conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 20mm nominal OD Pipes **(Page No.96, Item No. 13.86.3)**								
		m	1	150.00			150.00		
							150.00	270.00	**40,500.00**
	Basic Rate	250.00							
	Area Weightage 8%	20.00							
		270.00							
37	Providing and fixing in position **brass stop cock** of approved quality15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications **(Page no.91 Item No. 13.26)**								
		Each	12				12		
							12	172.80	**2,073.60**
	Basic Rate	**160.00**							
	Area Weightage 8%	12.80							
		172.80							
38	**providing and fixing in position brass gate valve** with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins **(page No.91, Item No. 13.33)**								
		Each	6				6		
							6	441.72	**2,650.32**
	Basic Rate	409.00							
	Area Weightage 8%	32.72							
		441.72							
39	**Providing NP/CP waste union conforming to ISI specifications** and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 32mm dia **(Page No. 95, Item No. 13.81.1)**								
		Each	6				6		
							6	135.00	**810.00**
	Basic Rate	125.00							
	Area Weightage 8%	10.00							
		135.00							
40	**Construction brick masonry inspection chamber 450x450mm** and 450mm depth (clear inside dimension) for single pipes line using table mouled non-modular bricks of class designation 50 in cement mortar 1:5 C.I. cover witth frame (light duty) 450x450mm **(Page No.73, Item No.11.50.2)**								

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		Nos	4				4		
							4	5,771.52	23,086.08
	Basic Rate	5,344.00							
	Area Weightage 8%	427.52							
		5,771.52							
41	**Providing and placing on terrace , polyethylene water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity)(**page No. 94, Item No. 13.78)**								
		Nos	2				2		
							2	9,144.36	18,288.72
	Basic Rate	8,467.00							
	Area Weightage 8%	677.36							
		9,144.36							
42	**Providing and applying painting two coats with plastic emulsion paint** of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications **with primer.(Page No. 116, Item No. 15.51.2)**								
		Sqm	Qty vide item No.26				844.41		
							844.41	97.20	82,076.65
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
		97.20							
43	**Extra for providing and applying every subsequent coat of painting with plastic emulsion paint** of approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour complete as per specifications **(PageNo.117, Item No.15.52.3)**								
		Sqm	Qty vide item No.26				844.41		
							844.41	32.40	27,358.88
	Basic Rate	30.00							
	Area Weightage 8%	2.40							
		32.40							
44	**Providing and finishing external walls in two coats with waterproof cement paint of** approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications **(Page No. 117, Item No. 15.53.2)**								
		Sqm	Qty vide item No.27				498.94		
							498.94	90.72	45,263.84
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
		90.72							
45	**Extra for providing and applying every subsequent coat of water proofing cement paint** of approved brand and shade for item No.15-16.1 cost of materials,labour,complete as per specifications **(Page No.117, Item No.15.53.3)**								
		Sqm	Qty vide item No.27				498.94		
							498.94	29.16	14,549.09
	Basic Rate	27.00							
	Area Weightage 8%	2.16							
		29.16							

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46	**Applying priming coat over new wood surface** and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios **(Page No. 119, Item No. 15.59)**								
		Sqm							
	Door D	2.25	2	1.50	2.40		16.20		
							16.20	44.28	**717.34**
	Basic Rate	41.00							
	Area Weightage 8%	3.28							
		44.28							
47	**Providing and applying painting two coats (excluding priming coat)** on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(Page No.119, item No.15.60.1)**								
		Sqm		Qty vide item No.49			16.20		
							16.20	90.72	**1,469.66**
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
		90.72							
48	**Extra over item No.15-17.6 for applying every subsequent coat** of enamel paint to give an even shade after cleaning the surface of all dirt and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(Page No.119, Item No.15.60.2)**								
		Sqm		Qty vide item No.49			16.20		
							16.20	51.84	**839.81**
	Basic Rate	48.00							
	Area Weightage 8%	3.84							
		51.84							
49	KSRB 12-1.4 : **Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 **Page No. 70 Item No. 11.4/ PWD SR 2018-19**								
		mtr	1	50.00			50.00		
							50.00	578.88	**28944.00**
	Basic Rate	536.00							
	Area Weightage 8%	42.88							
	Total	**578.88**							
50	Providing and fixing **Stainless steel staircase raling** as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. (P. No. 43 / I. No. 7.38 of CSR 2016-17)								
		sqm	2	3.00		0.90	5.40		
			1	7.00		0.90	6.30		
			1	15.00		0.90	13.50		
	Basic Rate	6147.00					**25.20**	**6638.76**	**167296.75**
	Area Weightage 8%	491.76							
	Total	**6638.76**							

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							Sub Total	7718893.364
52	Add TP Charges @ 10 %							771889.00
	Add 7.5% for electrification work							578917.00
54	Add L.s for front design work and additional works						L.S	930000.00
55	Add for rounding off						L.S	300.63
							Grand Total	10000000.00
	(Rupees one hundred Lakhs only)							

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs.100.00
(Rupees One Hundred Lakhs
Only
Under the Head of Account D-177.1
Registered as no EE(D) AS/212/19-20 Subject to conditions contained in Enclosed Memo
No. EE/DZ/AS.1212/19-20 Dt: 12/02/2020
Exe.Eng
JE/AE. (DASARAHALLI) BBMP

ಸಂ. CE/DZ/TS/140/18-19 ದಿನಾಂಕ : 02/02/2019
ರೂ. 100.00 Lakhs/- (Rs Hundred Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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